Here's your invitation to field-test our curriculum modules in your own classroom! These are the benefits of joining our team:

- Engage students in hands-on explorations of the universe with telescopes they control themselves.
- Use a global network of telescopes that can be controlled over the Internet.
- Reinforce and deepen the physical science curriculum you use now.
- Take advantage of a support network of educators to help you along the way.

In exchange we ask of you:

- Commit to using two or more curriculum modules in your classroom.
- Administer our pre- and post-evaluations to your students.
- Provide us with feedback and help us improve our curriculum!

For more information on becoming a field-test classroom, please email us at webscope@cfa.harvard.edu

The Centaurus-A galaxy, taken with our MicroObservatory in Australia

Check us out on the web!

mo-www.harvard.edu/MicroObservatory

cfa-www.harvard.edu/webscope

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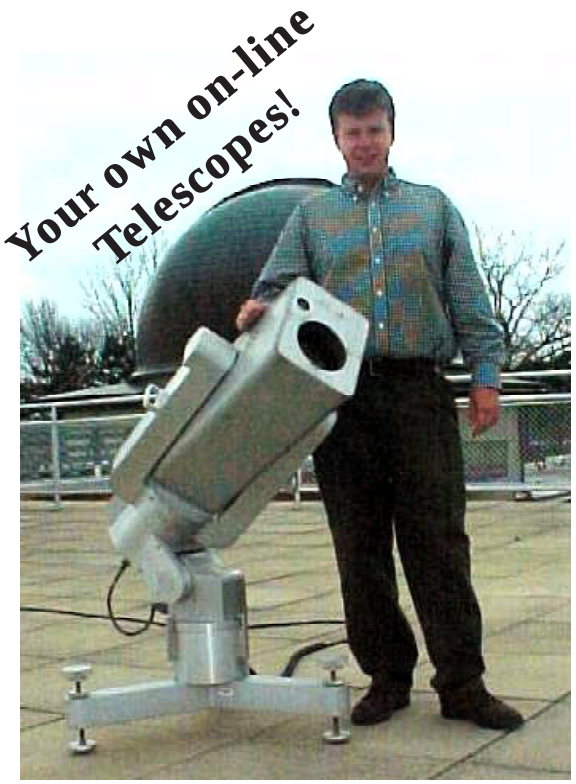


Use a worldwide network of telescopes in your classroom with the

MicroObservatory Telescopes

and the

From the Ground UP! Curriculum

If you teach physics, physical science, astronomy, or earth science at the middle- or high-school level, then **From the Ground UP!** *can add a new dimension to your science classroom.*

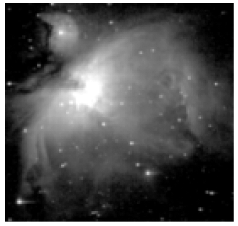
With From the Ground UP!, your students can explore light & color, size & scale, laws of motion, heat & temperature, and the nature of scientific investigation — all hands-on!

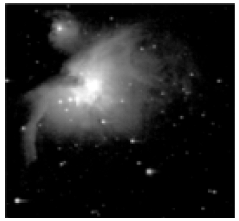
Introduction to Remote Telescope Observing and Image Processing

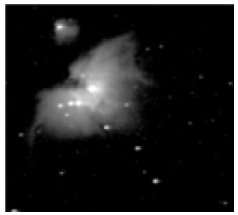
This module introduces students to their new "eyes on the sky," providing students with a User's Manual for making on-line telescope image requests. Students are also introduced to image processing software tools, and the idea that images carry information.

Invisible Universe: Light and color in the cosmos

The nature of light and its interaction with matter is central to understanding nature, and is a key part of the National Science Education Standards. In this module, students investigate the ways in which light and color can tell us about regions of the universe we could never visit in person.







Juniors at Weymouth Technical-Vocational High School in Weymouth, MA, investigate the features of the Orion Nebula by taking images through red, green, and blue filters, and then combining them to create a full-color image.

In Search of Infinity: Size and scale in the universe

In this module, students develop a working understanding of their "cosmic address" in the universe through a series of investigations using the telescopes, tabletop experiments, and other materials.

At Konawaena Middle School, a small rural school located in Hawaii, students make up for their island isolation by visiting the entire universe remotely! Here students create a graphical model of the universe before making their first moon observations.

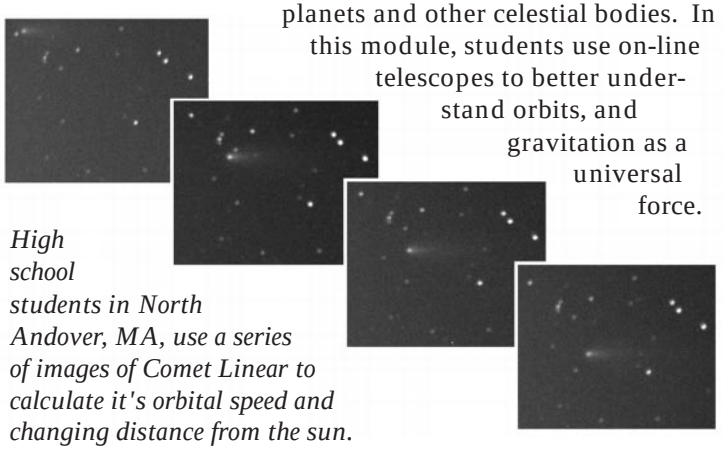
In search of life in the universe: Student projects

Are we alone? What are the chances that life exists elsewhere in the universe? Our investigations use these compelling questions to motivate student-centered, inquiry-based projects, and to connect students to current science research.

Two middle school students from Cape Cod, MA, investigate the Orion Nebula, a site of active new star formation and a place where water has recently been observed by a space-based radio telescope.

Universe in Action: Forces and motion in the cosmos

Isaac Newton's greatest leap of understanding was to realize that the same mathematical rules that governed the dropping of an apple could explain the motion of the moon, planets and other celestial bodies. In this module, students use on-line telescopes to better understand orbits, and gravitation as a universal force.



High school students in North Andover, MA, use a series of images of Comet Linear to calculate it's orbital speed and changing distance from the sun.